

Cracked Ammonia Atmospheres and Their use in
the Metallurgical Industry, by Z. Janda.
CZECH, per, Hutník, Vol 18, No 4, 1968,
pp 182-186.
BISI 7233

sci/ materials
nov 69

397,328

Determining the Blast Temperature Drop During
Passage From Source to the Combustion Space of
the Blast-Furnace, by J. Sobotka.
Czech, per, Hutník, Vol 18, No 5, 1968,
pp 211-216.
BISI 7228

sci/ materials
dec 69

307.441

Complex Blooming-Mill Automation Abroad,
by V. Pokorny,
CZECH, per. Hutník, Vol 18, No 5, 1968, pp225-232.
BISI 7229

Sci/Mat
Mar 70

404,212

The Cooling Time of Thick Sheet, by J. Jedlicka.
CZECH, Pror. Hutnik, Vol 18, No 6, 1968,
pp 281-286.
BISI 6971

sci/ materials
aug 69

388,586

Assessing the Quality of Hot-Rolling Rolls and
Possibilities of their Re-use after Scrapping, by
A. Fronck. CZECH, per, Hutník, Vol 18, No 6, 1968,
pp 286-289.
BISL 6972

Sci/Materials
Jun 69

383,060

Selected Technical and Organisational Procedures
in Repair Work on Blast Furnace No 1 in the East
Slovak Steelworks, by A. Gaško.

CZECH, per, Hutník, Vol 18, No 7, 1968,

pp 323-325.

BISI 6973

Sci/Mat

July 69

387-248

Cold Forming of Seamless Precision Tubes Made
From AK Steels, by M. Barszcz.
CZECH, per, Hutuik, Vol 18, No 7, 1968,
pp 335-339.
BISI 6975

sci/ materials
aug 69

388,587

Precise Research Measurements on the Blast Pre-
heater on the Klement Gottwald steelworks, by
V. Lukes, K. Hrabica.
CZECH, per, Butnik, Vol 18, No 8, 1968,
pp 370-372.
BISI 7085

Sci-Mat
Aug 69

389,543

Automatic Control of the Strip Thickness in
Strip Rolling Trains in Foreign Countries, by
V. Pokorny.

CZECH, per, Hutník, Vol 18, No 8, 1968,
pp 382-388.

BISI 7087

sci/materials
feb 70

402,687

Rolling and Roll-Profile Design for Flat Shapes
in the Klement Gottwald (Vitkovice) Steelworks-
VZKG, by J. Vescisik.

CZECH, per, Hutník, Vol 18, No 8, 1968,
pp 388-392.

BISI 6088

7088

sci/ materials

oct 69

395,283

Mixing of the Charge Ahead of the Homogeniser in
the Sinter Plant, by M. Snejdar.
CZECH, per, Hutník, Vol 18, No 9, 1968, pp 417-422.
BEST 7222

sci/ materials
sept 69

390,926

Open-Hearth Steel Plant Remodeled to Basic
Oxygen Steelmaking, by T. Gojnicek and
J. Pustowka,
CZECH, per. Hutnik, Vol 18, No 9, 1968,
pp 426-431.
HB 7676

Sep 71

The Future of Thick Steel Strip Production, by
J. Petr, A. Svchoda.
CZECI, per, Hutník, Vol 18, No 9, 1968,
pp 432-436.
BISI 7224

sci/ materials
nov 69

396,952

Plasma-arc cutting of high-strength steels.
By M. Tvrdy
CZECH, per Hutnik, 1968 Vol 18 pp. 443-445.
BISI 7227
ETC-69-31370

Nov 69

394,413

Self-Stabilised Equipment for the Aerometric
Assessment of Blast-Furnace Coke Quality,
by I. Janousek,
CZECH, per. Hutník, Vol 18, No 12, 1968,
pp 537-539
RISI 7435

Sci/Mat
Mar 70

404,068

Cleaning Flue Gases from a 75-ton Tandem Furnace
in the Kloment Gottwald Steelworks, by P. Morcinek
and L. Svidrnoch,
CZECH, per. Hutník, Vol 18, No 12, 1968, pp540-544
pp 540-544.
BISI 7436

Sci/Mat
Mar 70

404,196

Experiments and Research on the Pouring of Rim-
ming Basic Oxygen Furnace Steel at High Rates,
by M. Stankiewicz.
POLISH, per. Hutnik, Vol 35, No 4, 1968, pp 162-
166.
HB 7490

Sci-Fat
Sep 68

365.572

Computer Control Systems for Soaking Pit Production
for A Slabbing/Blooming Mill, by S. Machnik.
POLISH, per, Hutnik, Vol 35, No 5, 1968, pp 246-252.
BISI 6872.

Sci/Materials

Jun 69

383,075

Plastic Resistance of Hot-rolled Strip, by
S. Bala, E. Orzel.
POLISH, per, Hutnik, wol 35, No 9, 1968,
pp 407-411.
BISI 7388

sci/ materials
oct 69

395,290

Evaluating Roll Pressures and Torsion Moments in
Hot Rolling with Grooved Rolls of Simple Shapes,
by J. Jedlicka,
CZECH, per. Hutník, Vol 19, No. 1, 1969
BIBI 7440

Sci/Mat
Mar 70

403,934

Principles of Complex Quality Control in the
Metallurgical Industry, by Z. Puncochar.
CZECH, per, Hutník, Vol 19, No 1, 1969, pp 3-5.
BISI 7460

Sci-Mat
June 70

Statistical Correlation of Production Technology
Indices in Steel Production with the Yield in the
Tube Rolling Mill, by J. Velicka and A. Moravec,
CZECH, per. Hutnik, Vol 19, No 1, 1969, pp 11-13.
BISI 7439

Sci/Mat
Apr 70

406,662

The Advantages of Rammed Tundish Linings, by
J. Becvar.
CZECH, per, Hutník, Vol 19, No 1, 1969, pp 14-15.
BISI 7459

Sci-Mat
Jul 70

The Influence of Forging Temperatures on the Notch
Impact-Strength of CSN 16720 Steel, by D. Kohut.
CZECH, per, Hutník, Vol 19, No 1, 1969, pp 21-22,
BISI 7441

Sci-Mat
Jul 70

Metallurgical Analysis of the Work of Forging Dies of
Bainitic Steel With Boron, by Stanislaw Kowalczyk, 13 pp.
GOVERNMENT USE ONLY
POLISH, per, Hutnik, No 1, 1969, pp 30-35.
ARM/FSTC/HT-23-648-72

Aug 72

Recovery of Fine Iron Ore Slugges by Sintering,
by Z. Demcik,
Czech, per. Rutnik, Vol 19, No 2, 1969, pp 41-43.
BISI 7882

Sci/Mat
Apr 70

405,804

Computer Control of an Oxygen-Converter Shop,
by J. Toth and J. Dubovsky,
CZECH, per. Hutník, Vol 19, No 3, 1969, pp 86-89.
BIBI 7644

Sci/Mat
Apr 70

405,816

Methods of Humidification in Ore-Blending Dumps,
by A. Nesrsta.
CZECH., per, Hutník, Vol 19, No 4, 1969, pp 123-
126.
BISI 7671

sci/mat
nov 70

Electroslag Remelting Technique of Steel and
Tap Vacuum Treatment, by Z. Kletecka and M. Kopyka,
CZECH, per. Hutník, Vol 19, No 4, 1969, pp 128-131.
BISI 7672

Sci/Mat
Apr 70

405,819

Principles of Limit Cooling in Rolling Mill Rolls,
by R. Stepanek.

CZECH., per, Hutník, Vol 19, No 4, 1969, pp 132-
137.

BISI 7673

sci/mat

nov 70

Reduction of Samples of Metallurgical Raw
Materials, by L. Bula,
CZECH, per. Hutnik, Vol 19, No 5, 1969,
pp 167-171.
BISI 7701

Was the Method of Supplying Oxygen to Steelmaking
Plants Used in Czechoslovakia Correct?, by
J. Becvar.
CZECH, per, Hutník, Vol 19, No 5, 1969, pp 175-
178.
RISI 7703

sci/mat
jan 71

The Use of Oxygen Lances in Open-Hearth Furnaces,
by Z. Sivala.

CZECH, per, Hutník, Vol 19, No 5, 1969, pp 179-
185.

BISI 7704

sci/mat

Feb 71

The Influence of Oxygen Concentration in the Lancing
Mixture on the Rate of Evolution of Brown Fumes in
the Intensified Open-Hearth Process, by K. Riha,
CZECH, per. Rutnik, Vol 19, No 6, 1969, pp 210-213.
RISI 7721

Sci/Mat
Aug 70

The Use of Oxygen Lances in the Open-Hearth
Process, by Z. Sivala,
CZECH, per, Hutník, Vol 19, No 6, 1969, pp 214-
220.
BISI 7722

sci/mat
Feb 71

An Analysis of the Scope for Increased
Productivity in Sinter Preparation,
by J. Hancl,
CZECH, per. Hutník, Vol 19, No 7, 1969,
pp 243-247.
BISI 7822

Sci/Mat
Oct 70

On the Problems of Moistening Sinter Mixes,
by L. Chlebek and D. Trojka,
CZECH, per. Rutnik, Vol 19, No 7, 1969, pp 247-250.
BISI 7823

Sci/Mat
Aug 70

Problems with the Introduction of the Production
of Free-Cutting Steels in Large Open-Hearth
Plants in Czechoslovakia, by J. Becvar.

CZECH, per, Hutník, Vol 19, 1969, pp 251-255.
BISI 7824

Sci/Mat
Jan 71

Deep Lancing with Oxygen to Reduce Evolution of
Brown Fumes in the Oxygen Open-Hearth Process,
by K. Riha,
CZECH, per. Rutnik, Vol 19, No 7, 1969, pp 256-259.
BISI 7825

Sci/Mat
Aug 70

The Effect of Thickness, Rolling Schedules and
Heat Treatment on the Properties of Thin Steel
Sheet, by K. Matyska,
CZECH, par. Britnik, Vol 19, No 7, 1969, pp 260-264.
BIBI 7826

Sci/Mat
Aug 70

Corrosion of Steel Pipes for Water and Gas by
Stray Currents, by J. Teindl.
CZECH, per, Hutnik, Vol 19, No 7, 1969,
pp 265-268,
BISI 7827

Sci-Mat
Jul 70

Automation in Czechoslovak and Foreign Forges,
by A. Jicha and V. Vondrasek,
CZECH, per. Hutník, Vol 19, No 7, 1969, pp 269-274.
BISI 7828

Sci/Mat
Aug 70

Technical and Economic Operational Data of the
Main Divisions of the Trinec Iron and Steel
Works, by J. Sunkala.

CZECH, per, Hutník, Vol 19, No 8, 1969, pp 282-
286.

BISI 7947

Sci-Mat

Jul 70

Reconstructing the Blast Furnace Division of the
Iron and Steel Plant in Trinec, by I. Kudelka,
J. Radl,
CZECH, per, Hutník, Vol 19, No 8, 1969, pp 287-
289
BISI 7448

Sci-Mat
Jul 70

Improved Oxygen Blowing Technique in the Open-
hearth Process, by J. Riha.
CZECH, per, Hutnik, Vol 19, No 8, 1969, pp 290-
295.
BISI 7949

Sci-Mat
Jul 70

Vacuum Treatment of Steel at the Iron and Steel
Plant in Trinec, by J. Lang.

CZECH, per, Hutník, Vol 19, No 8, 1969,
pp 302-306.

BISI 7951

Sci-Mat

Sep 70

Manufacturing High-Grade Steels in 230-Ton MB
Furnaces and their Teeming into Large Ingots at
the Iron and Steel Plant in Trinec, by J. Uricar
and P. Pohl,
SZECH, per. Hutník, Vol 19, 1969, pp 307-310.
BIBI 7952

Sci/Mat
Aug 70

New Reinforcing Bar Steel Grade 10607, by
F. Cechura.
CZECH, per, Hutník, Vol 19, No 8, 1969,
pp 312-315.
BISI 7953

Sci/Mat
Jan 71

Central Control of the Soaking Pit Department
in Blooming Mill 11 at the Iron and Steel Plant
in Trinec, by O. Obdrzalek, et al.
CZECH, per, Hutnik, Vol 19, No 8, 1969, pp 315-
320.
BISI 7954

sci/mat
jan 71

Natural and Artificial Ageing of Rails,
by J. Hons,
CZECH, per. Hutnik, Vol 19, No 8, 1969,
pp 322-325.
BISI 7955

Sci/Mat
Sep 70

Dust Removal from the Combustion Products in
Oxygen Intensified Open Hearth Furnaces, by
J. Bartacek.

CZECH, per, Hutnik, Vol 19, No 9, 1969, pp 334-
337.

BISI 7966

Sci-Mat
Jul 70

Mathematical-Statistical Evaluation of the Time of
Steel Solidification in the Ingot Moulds on the
Rolling Yield on a Blooming Mill, by J. Prek,
CZECH, per. Hutník, Vol 19, No 9, 1969, pp 339-342.
BISI 7967

Sci/Mat
Aug 70

Effect of Metallurgical Factors on the Ductility
and Drawability of Low-Carbon Wire Steel, by
K. Riha.

CZECH., per, Hutník, Vol 19, No 9, 1969, pp 342-
347.

BISI 7968

sci/mat
nov 70

New Trends in the Manufacture of Ingot Moulds
from Primary Pig Iron, by A. Sprencel.

CZECH, per, Hutník, Vol 19, No 9, 1969,
pp 348-354.

BISI 7969

Sci-Mat

Sep 70

Central Control of Belt Conveyance in Sintering Plant of NIKK Steel Works, by
J. Martinek,
CZECH, per. hutnik, Vol 19, No 10, 1969,
pp 369-372.
BISI 8230

Sci/Mat
Feb 71

Effect of Chemical Composition on Anisotropy of
Mechanical Properties in Hot Rolling of Strips,
by Z. Hamze, A. Zajicek.
CZECH, per, Hutník, Vol 19, No 10, 1969,
pp 386-390.
BISI 8231

Sci-Mat
Dec 70

Application of the Eddy Current Method to
Defect Detection in Hot Rolled Seamless Tubes,
by J. Ullmann, L. Vavros.
CZECH, per, Hutnik, Vol 19, No 10, 1969,
pp 394-398.
BISI 8232

Sci-Mat
Dec 70

Fuel for Blast Heating to High Temperatures,
by V. Hadamek,
CZECH, per. Hutnik, Vol 19, No 11, 1969,
pp 411-414.
BISI 8325

Sci/Mat
Jan 71

Experience in Commencing Production of Very Low
Carbon Austenitic Corrosion Resistant Steels,
by J. Chvojka, J. Petmanova.
CZECH, per, Hutník, Vol 19, No 11, 1969,
pp 415-419.
BISI 8326

Sci-Mat
Dec 70

Investigations of the Dross Effect on Micro-
cleanness of Steel Forgings with ^{45}Ca Radio-
isotope, by T. Myslivec, et al.

CZECH, per, Hutník, Vol 19, No 11, 1969,
pp 420-425.

BISI 8327

Sci-Mat
Dec 70

Importance of Electrical Equipment for Operation
of Steelmaking Arc Furnaces, by J. Hlineny, et al.
CZECH, per, Hutník, Vol 19, No 11, 1969, pp 426-
429,
BISI 8328

sci/mat
feb 71

Applying Spectrometers to Steelmaking Process
Control, by R. Piarla, et al.
CZECH, per, Hutník, Vol 19, No 11, 1969,
pp 430-432.
BISI 8329

Sci-Mat
Dec 70

Effect of Technological Conditions on Mechanical
Properties and Structure of Hot Rolled Low-Carbon
Steel Strip, by V. Chadzis.

CZECH, per, Hutník, Vol 19, No 11, 1969,
pp 438-441.

BISI 8330

Sci-Mech
Dec 70

New Burner Design for Hot Blast Stoves,
by V. Hadamek,
CZECH, per. Hutnik, Vol 19, No 12, 1969,
pp 452-455.
BISI 8678

Mar 71

Controlling Metallurgical Processes by Means
of Aggregates Noise Analysis, by I. Janousek,
CZECH, per. Hutnik, No 12, 1969, pp 456-460.
BISI 8805

Jun 71

Trials on Blowing Converter Dust into the
Steelmaking Converter at the VSZ (East Slovakian
Ironworks) Plant at Kosice, by J. Kurila.
CZECH, per, Hutník, Vol 19, No 12, 1969,
pp 461-463.
BISI 8506

Sci-Mat
Dec 70

Equipment for Corrosion Prevention of Heavy
Plate, by J. Glatz.
CZECH, per. Hutnik, Vol 19, No 12, 1969,
pp 466-471.
BISI 8680

Properties of Low-Alloy Structural Weldable
Steel with Strength Exceeding 60 kp/sq.mm,
by O. Bohusova,
CZECH, per. Hutnik, Vol 19, No 12, 1969,
pp 472-479.
BISI 8734

Coarse Sinter Mix Constituents as Pellet Nuclei
in Prepelletizing, by A. Maslanka.
POLISH, per, Hutnik, Vol 36, No 2, 1969, pp 57-62.
BISI 10727

Nov 72

Investigations of Dust and Sulphur Dioxide
Emission Into the Air From Various Departments
of Steelworks, by U. Krause, J. Wasilewska.
POLISH, per, Hutnik, Vol 36, No 3, 1969,
pp 128-132.
BESI 7629

sci/ materials
dnc 69

398,619

The Effect of Preformed Coke on the Per-
meability of the Blast Furnace Charge
Column, by J. Wanot,
POLISH, per. Hutnik, Vol 36, No 5, 1969,
pp 214-221.
BISI 7930

Sci/Mat
Oct 70

Evaluation of Factors Characterizing the Thermal Conditions in the Bosh and Hearth Regions of Blast Furnace,
by R. Benesch,
POLISH, per. Hutnik, Vol 36, No 12, 1969, pp 593-597.
BISI 10523

Oct 72

Geometrical Similarity of Oxygen Converters,
by K. Moszoro and A. Szczypiorowski,
POLISH, per. Hutnik, No 12, 1969, pp 597-602.
BISI 9015

Jun 71

Retort Coke as a Substitute Fuel for Sintering
Iron Ore, by J. Drabina,
CZECH, per. Hutnik, Vol 20, No 2, 1970, pp 41-45
BISI 8440

Causes of the Failure Occurrence in Stopper
Assemblies During Steel Teaming, by
J. Jirsa,
CZECH, per/ Hutník, Vol 20, No 2, 1970,
pp 49-55.
HISI 8442

Mar 71

Production of Chromium-Plated Sheet by Diffusion Treatment, by A. Vojtiskova and F. Wiesner, CZECH, per. Hutnik, Vol 20, NO 2, 1970, pp 60-63.
BISI 8443

Automatic Semis Marking in the New Steelworks
of Ostrava-Kuncice, by J. Linkenseder and
M. Zimmerman,
CZECH, per. Hutnik, No 2, 1970, pp 64-66.
BISI 8444

June 71

Experience with Reconstruction Equipment for
Continuous Steel Casting in SZ (Sverma Iron
Works) Podbrezova, by J. Steno and O. Hudec,
CZECH, per. Hutník, No 2, 1970, pp 250-252.
BISI 9040

Jul 71

Experiences with the Use of an Exit Slag
Chamber in the Steel Mills in K.G. Vitkovice
Iron Works (VZKG), by F. Adamek,
CZECH, per. Hutnik, No 2, 1970, pp 252-255.
BISI 9041

Sep 71

Production of Phosphorus Agglomerate and its
Treatment in Blast Furnace, by J. Hajduk,
CZECH, per. Hutnik, Vol 20, No 3, 1970,
pp 81-85.
BISI 8445

Steelmaking Shop of the East Slovak Iron and
Steel Plant. Its operating data and Results
Obtained in Three Years Operation, by
M. Miklanek,
CZECH, per. Hutrik, Vol 20, No 3, 1970,
pp 86-91.
BISI 8446

The Trend of Development of Continuous and
Semi-Continuous Wide Strip Mills, by K. Styblo,
CZECH, per. Hutnik, Vol 20, No 3, 1970,
pp 95-101.
BISI 8448

June 71

The Question of Formation of Napthalene Crack
in High Speed Cutting Steel, by F. Jandos,
CZECH, per. Hutnik, Vol 20, No 3, 1970,
pp 102-107.
BISI 8449

Sep 71

Results of Trials on Rammed Linings of Teeming
Ladles, by M. Kepka,
CZECH, per. Hutnik, Vol 20, No 4, 1970, pp 132-
135.
BISI 8690

Jun 71

The Influence of the Intensity of Cooling at
the Discharge Section of the Rolling Train P 1
700 on the Mechanical Properties of Strips of
Low-Carbon Structural Steel, by S. Ulicny,
CZECH, per. Hutnik, Vol 20, No 4, 1970,
pp 141-144.
BISI 8691

Jun 71

Granulation of Blast Furnace Slag,
by J. Zabransky,
CZECH, per. Hutnik, Vol 20, No 5, 1970,
pp 176-179.
BISI 9294

Sep 71

State of the Development of Methods for Making
Iron Sponge From Ores, by V. Lukes,
CZECH, per. Hutnik, Vol 20, No 6, 1970,
pp 201-204.
BISI 8831

Aug 71

Inexpensive Reducing Atmospheres From Natural Gas, by
Z. Janda.
CZECH, per, Hutník, Vol 20, No 6, 1970, pp 221-224.
BISI 8834

Nov 71

Continuous Analyzer of Nitrogen-Hydrogen Protective Annealing Atmosphere, by L. Brhacek, CZECH, per. Hutnik, Vol 20, No 6, 1970, pp 225-227.
BISI 8833

Jul 71

Accurate Analysis of Blast Furnace Gas, by
J. Vlastnik.
CZECH, per, Hutník, Vol 20, No 7, 1970, pp 243-246.
BISI 9039

Nov 71

Experience with Reconstructor Installation
for Continuous Steel Casting in Sverma,
by J. Steno and O. Hudec,
CZECH, per. Hutník, No 7, 1970, pp 250-252.
*BISI 9040

Mar 71

Mobile Slag Chambers in VZKG Steelplants,
by F. Adamek,
CZECH, per. Hutnik, No 7, 1970, pp 252-255.
*BISI 9041

Mar 71

Steel Section Shearing, by D. Valenta,
CZECH, per. Hutník, No 7, 1970, pp 256-258.
BISI 9042

Aug 71

Anon

Ultrasonic Treatment of Solidifying Metal
HUTNIK, 37, No. 6, 1970, pp276-83
BISI 10708

Jan 1973

Efficiency Factors in Metallurgical Industry
Discussed, by Zdenek Volf, 8 pp.
GOVERNMENT USE ONLY
CZECH, per, Hutník, Prague, No 9, 1970, pp 323-326.
JPRS/L 3621

Sci-Mat
Dec 70

Power Rationalization in Metallurgy Noted,
by Jiri Malik, 10 pp.

GOVERNMENT USE ONLY

CZECH, per, Ritnik, Prague, No 10, 1970, pp 388-
391.

JPRS/L 3621

Sci-Mat

Dec 70